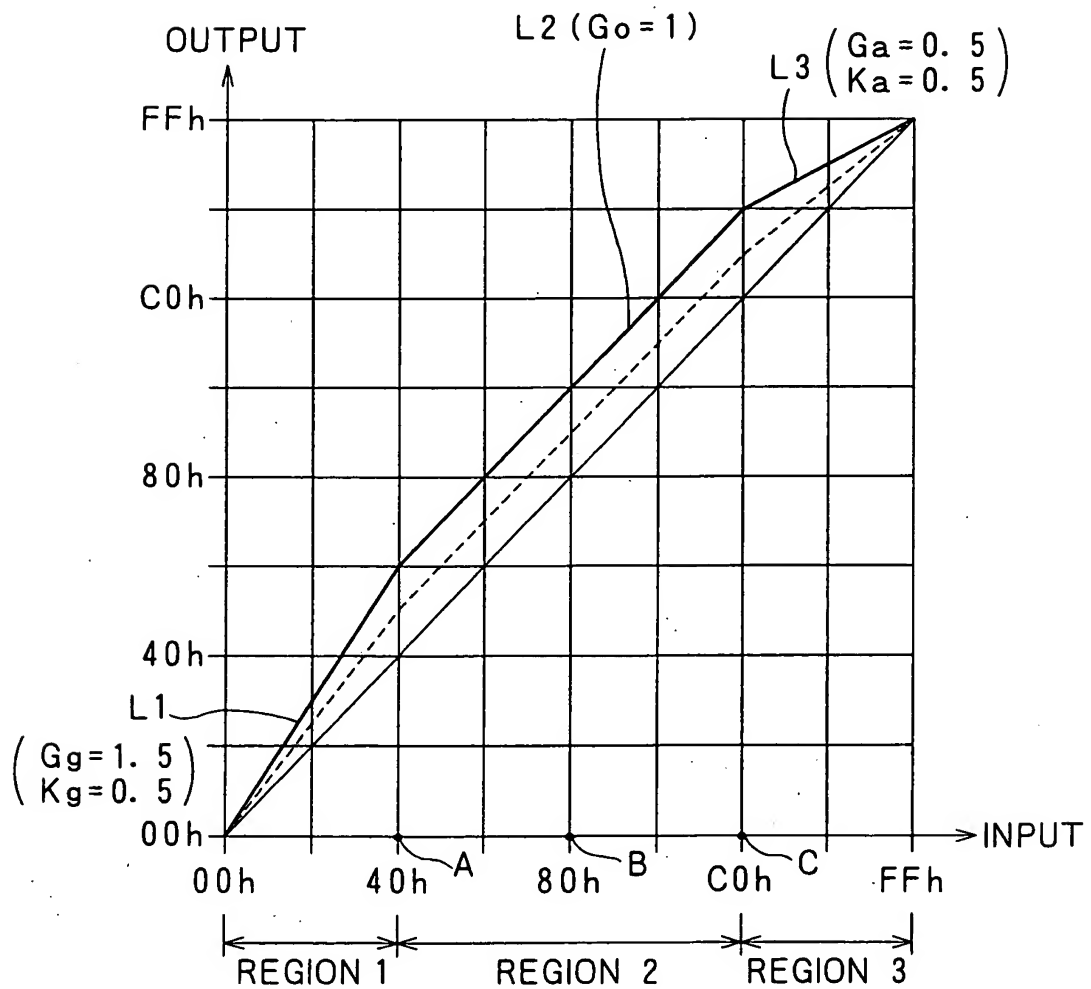


# FIG.1

TRAPEZOIDAL CHARACTERISTIC ( $G_g = 1 + K_g$ ,  $G_a = 1 - K_a$ )



S-SHAPED CHARACTERISTIC ( $G_g = 1 + K_g$ ,  $G_a = 1 - K_a$ )

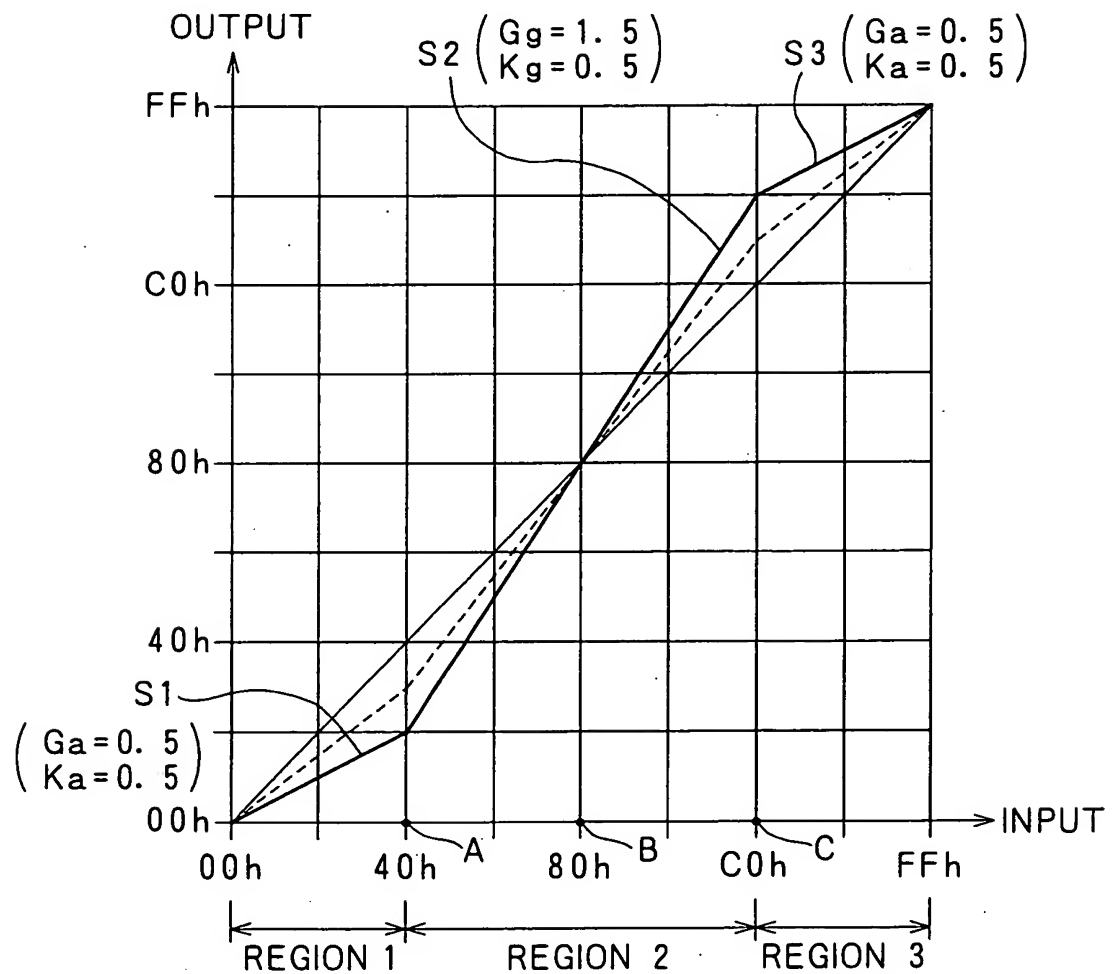


FIG. 3

10

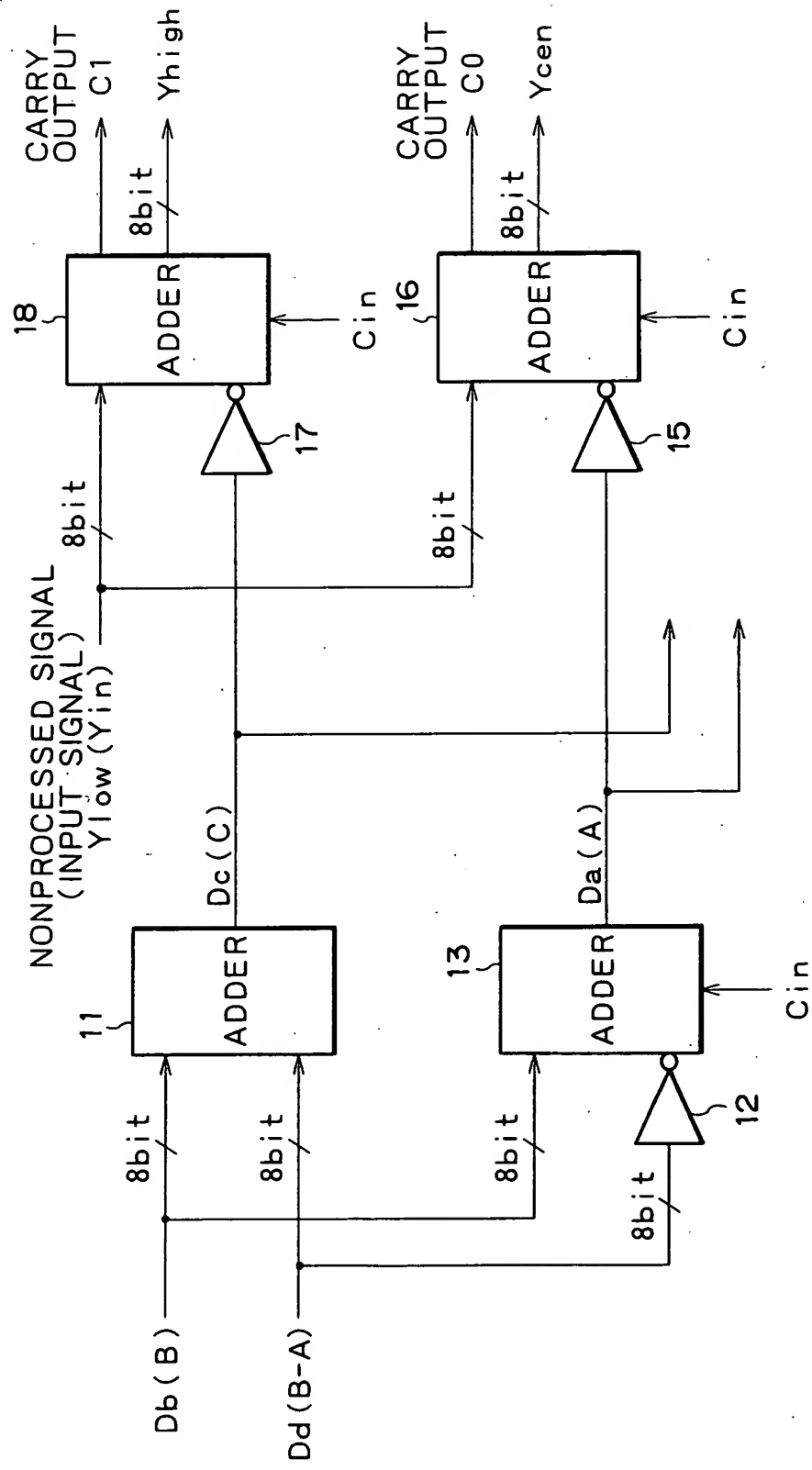
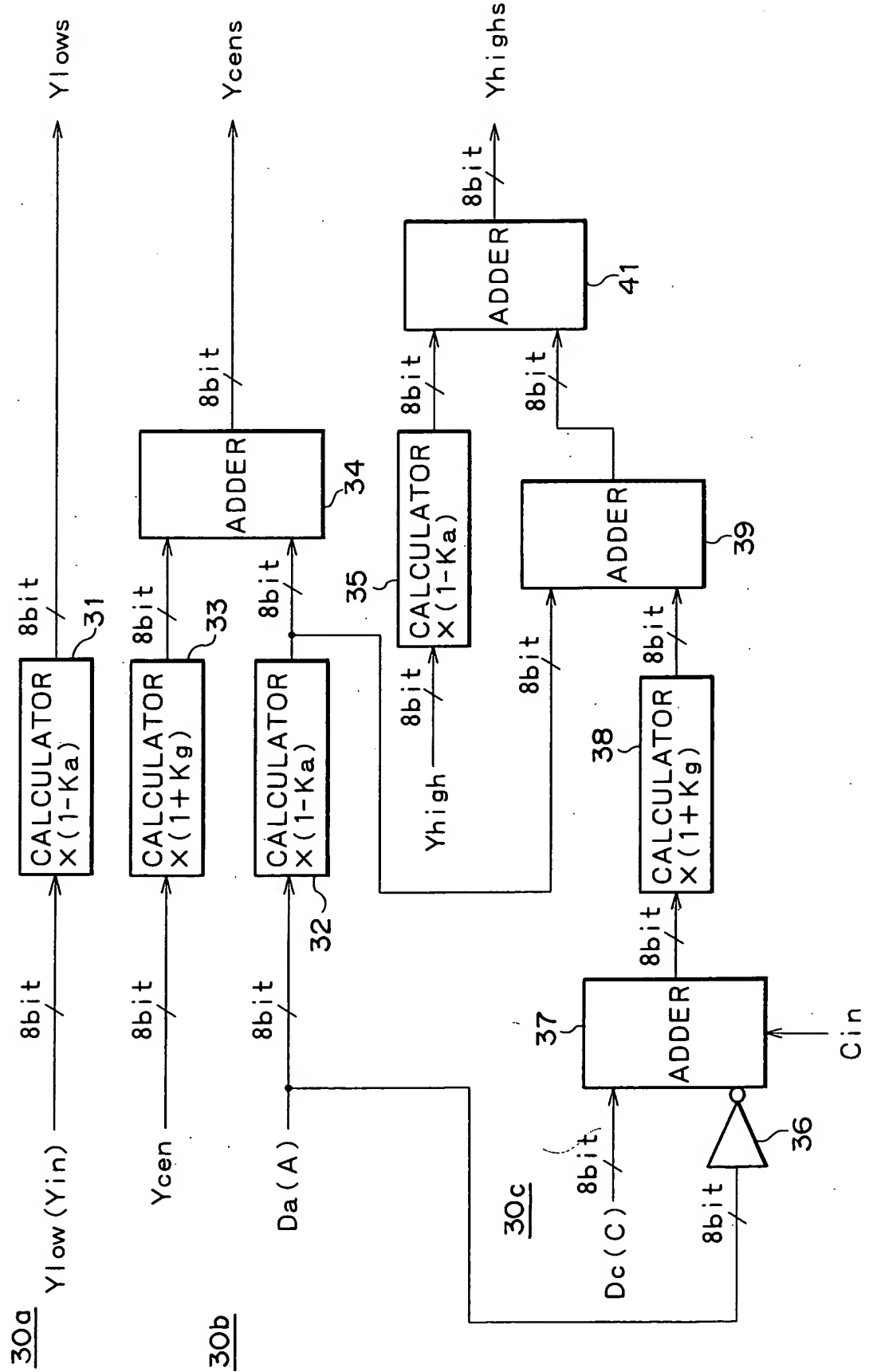




FIG. 5

30



# FIG. 6

tr-or-s = 0: TRAPEZOIDAL COMPONENT

tr-or-s = 1: S-SHAPED COMPONENT

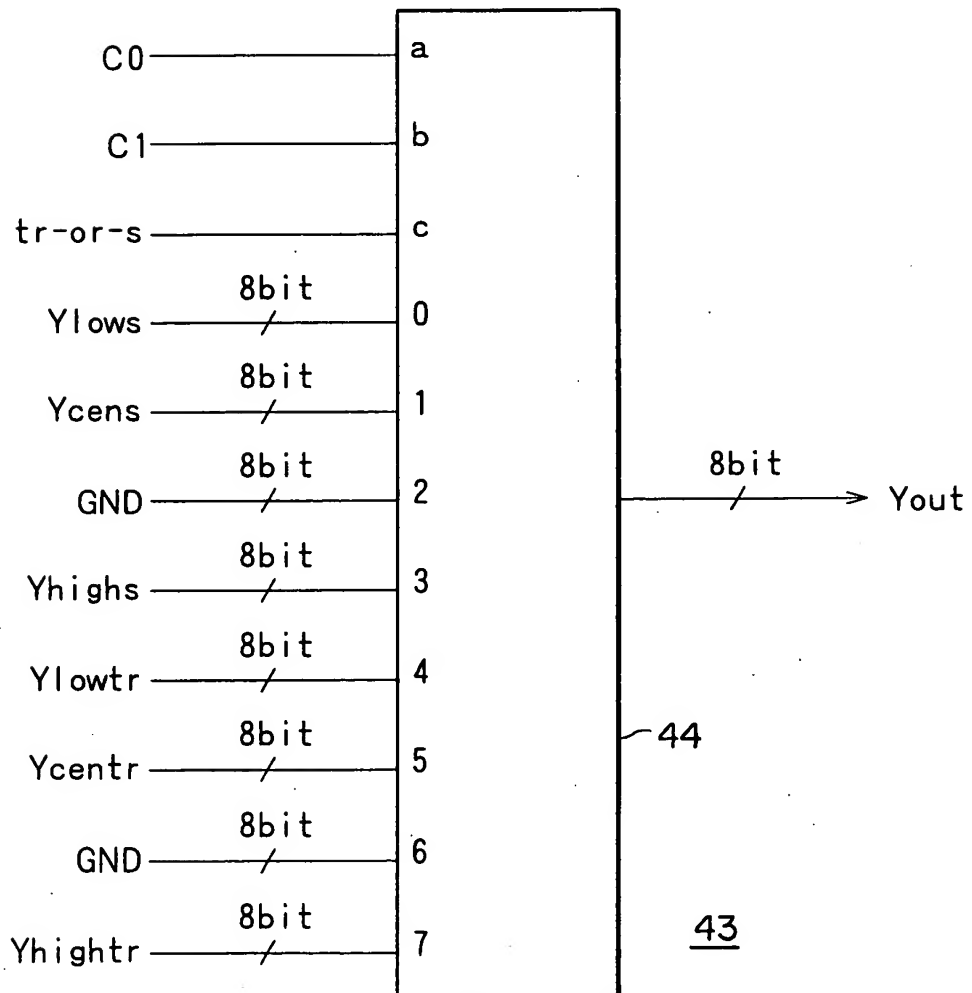
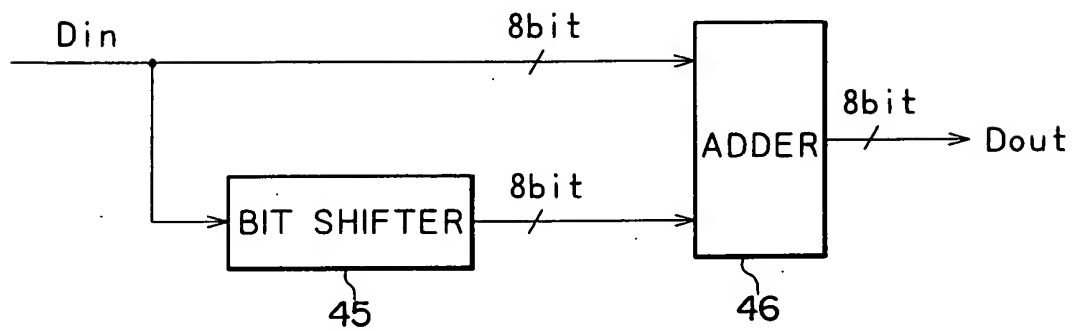


FIG. 6

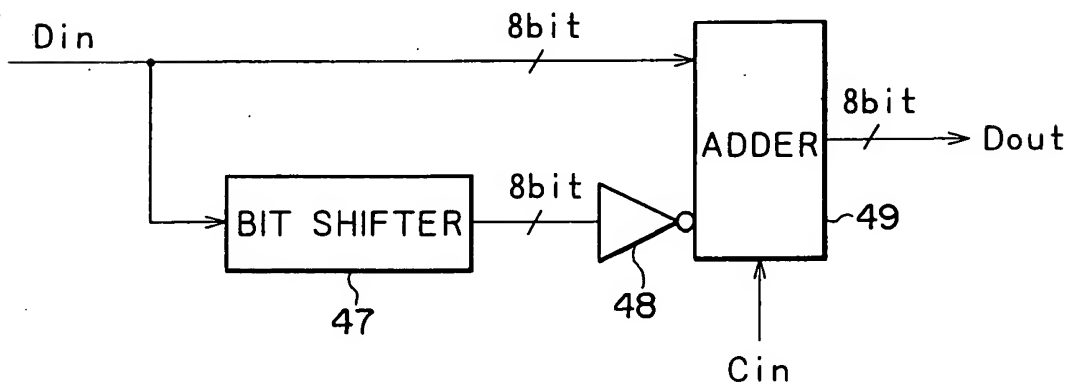
# FIG. 7

21, 22, 33, 38 CALCULATOR  $\times (1 + K_g)$



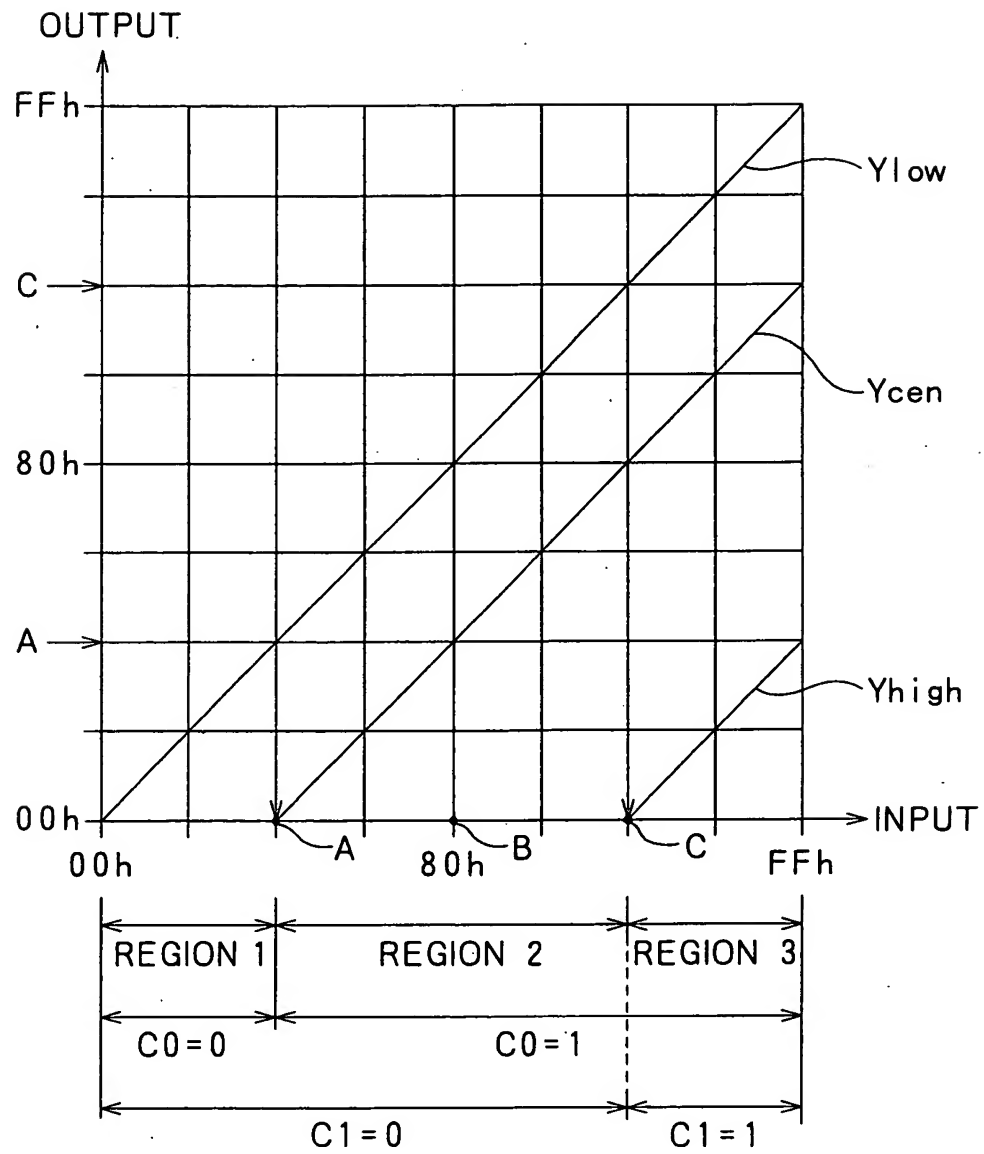
# FIG. 8

24, 31, 32, 35 CALCULATOR  $\times (1 - K_a)$



00000000 00000000 00000000 00000000

# FIG. 9





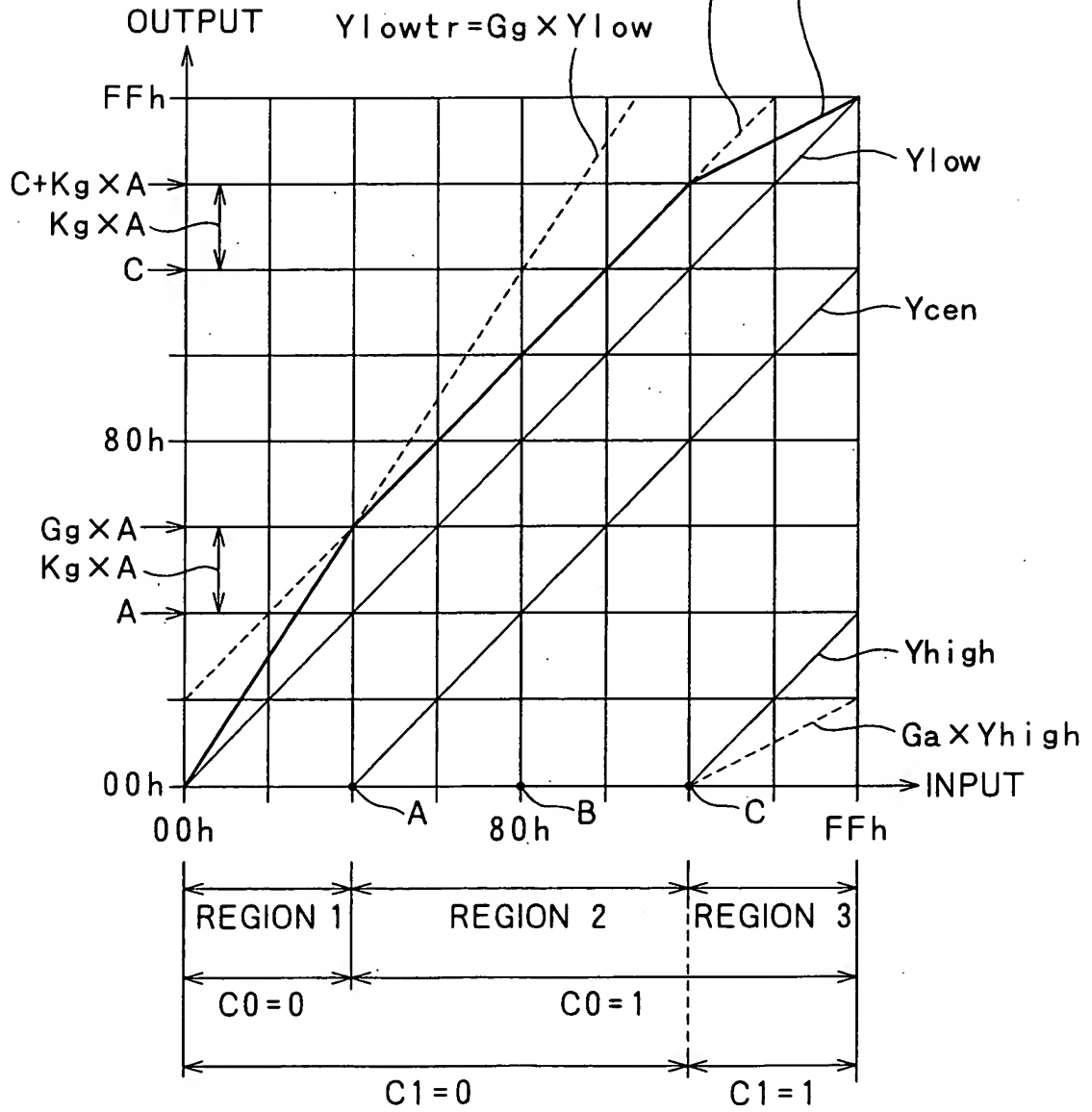
F I G. 10

TRAPEZOIDAL COMPONENT ( $G_g = 1 + K_g$ ,  $G_a = 1 - K_a$ )

$$Y_{high\ tr} = G_a \times Y_{high} + C + K_g \times A$$

$$Y_{centr} = Y_{cen} + G_g \times A$$

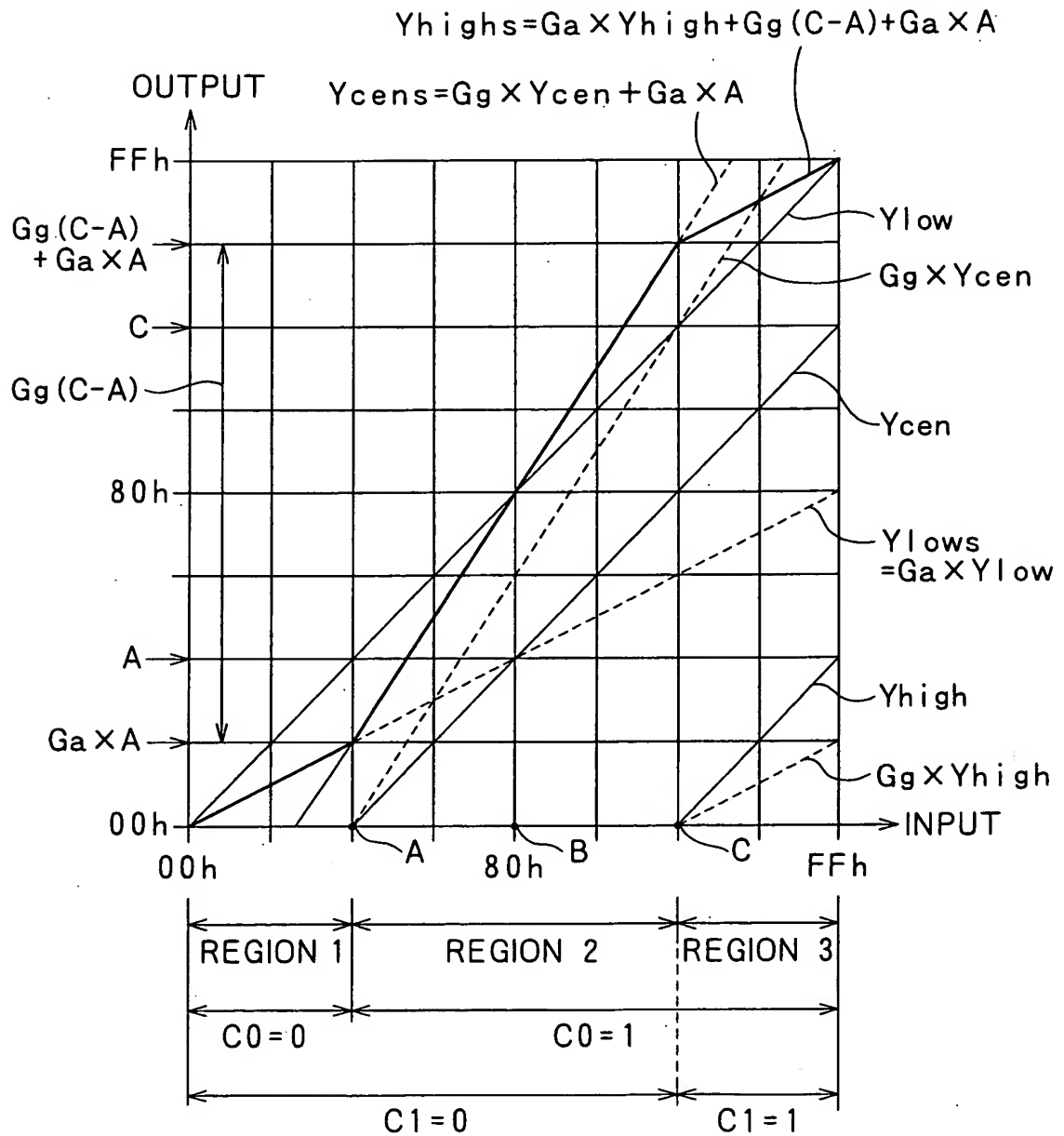
$$Y_{low} r = G_g \times Y_{low}$$



# FIG.11

S-SHAPED COMPONENT ( $G_g = 1 + K_g$ ,  $G_a = 1 - K_a$ )

FOOTED-22222222



# FIG.12

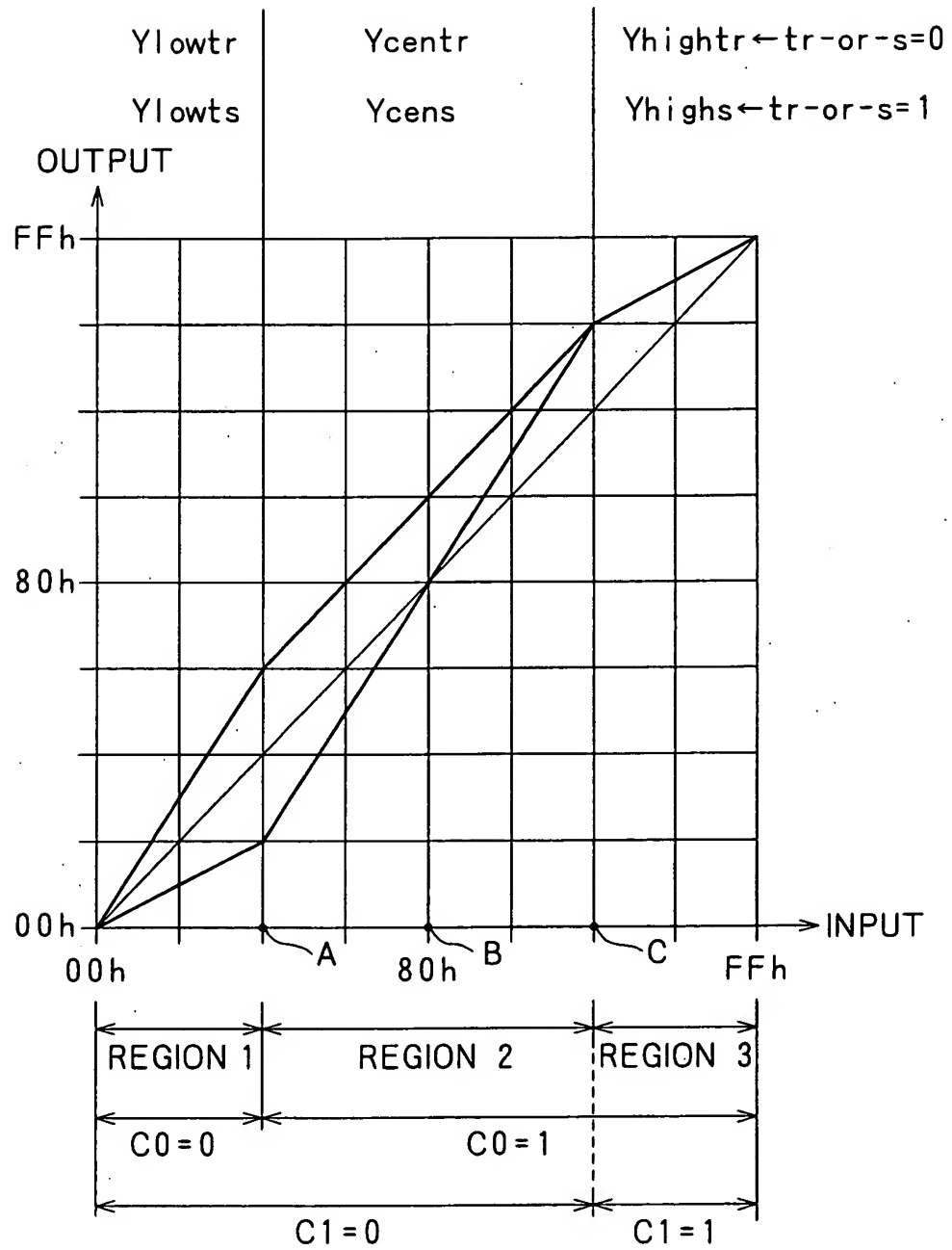


FIG. 13

FIG. 13

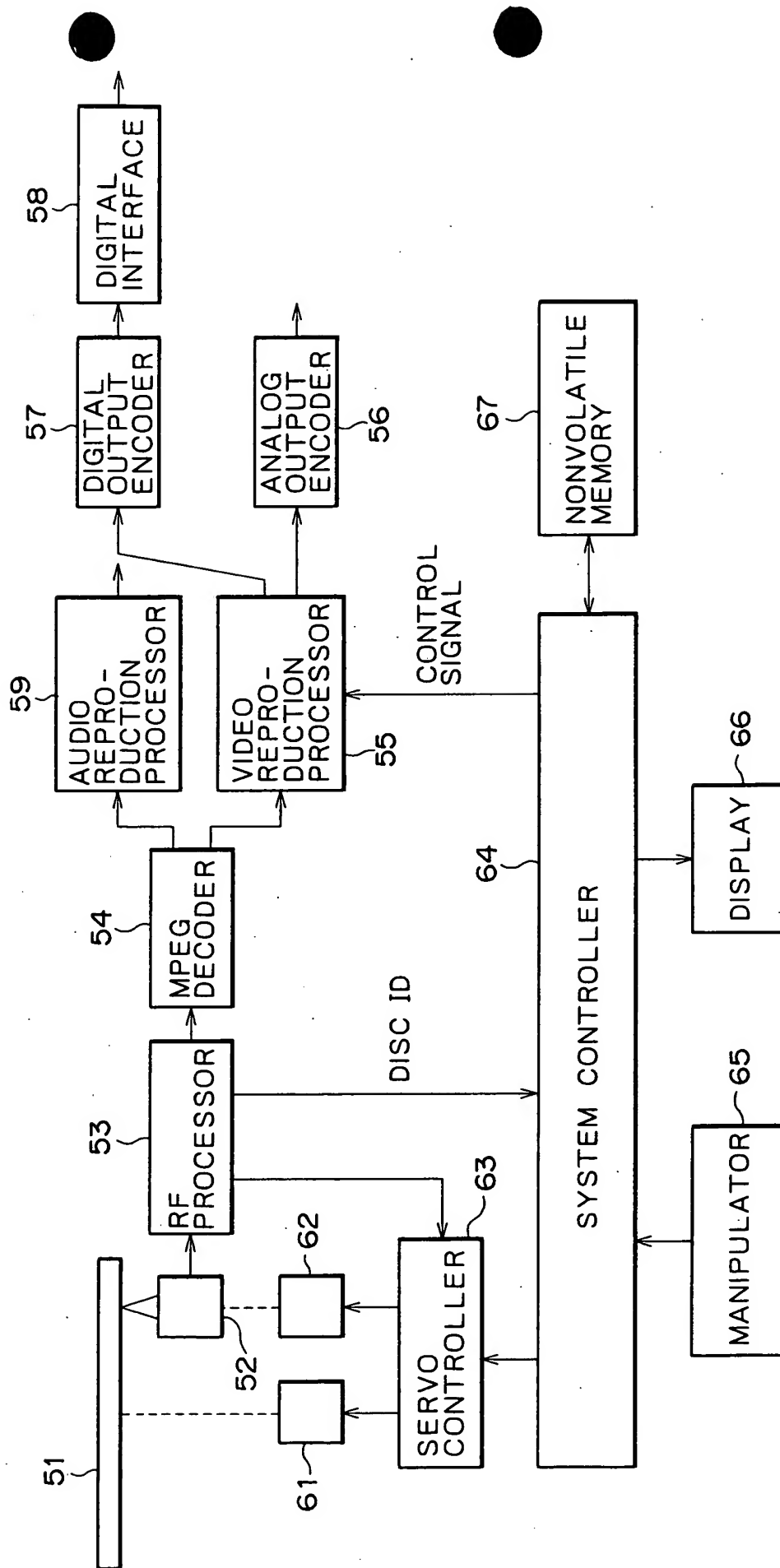
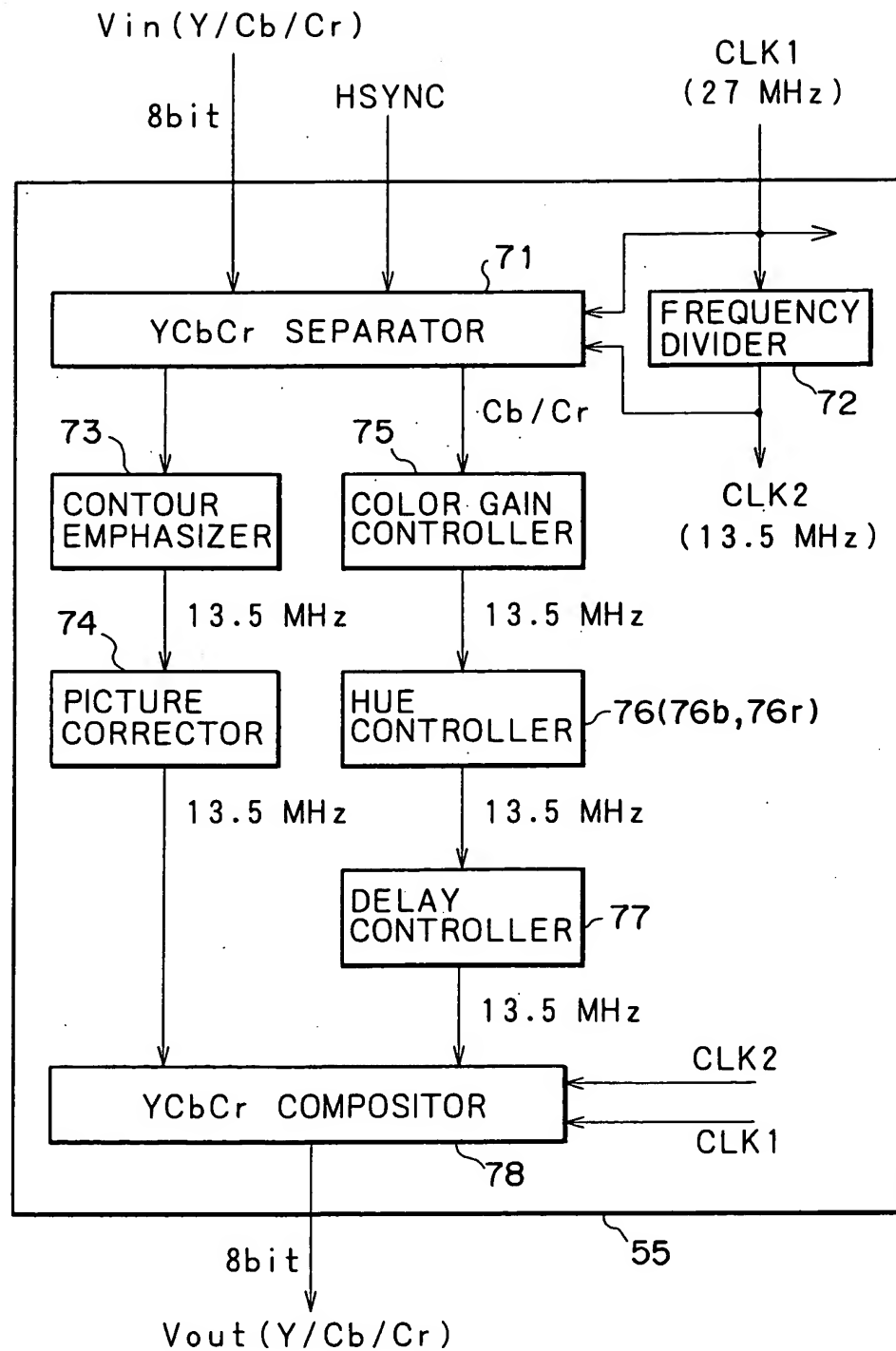
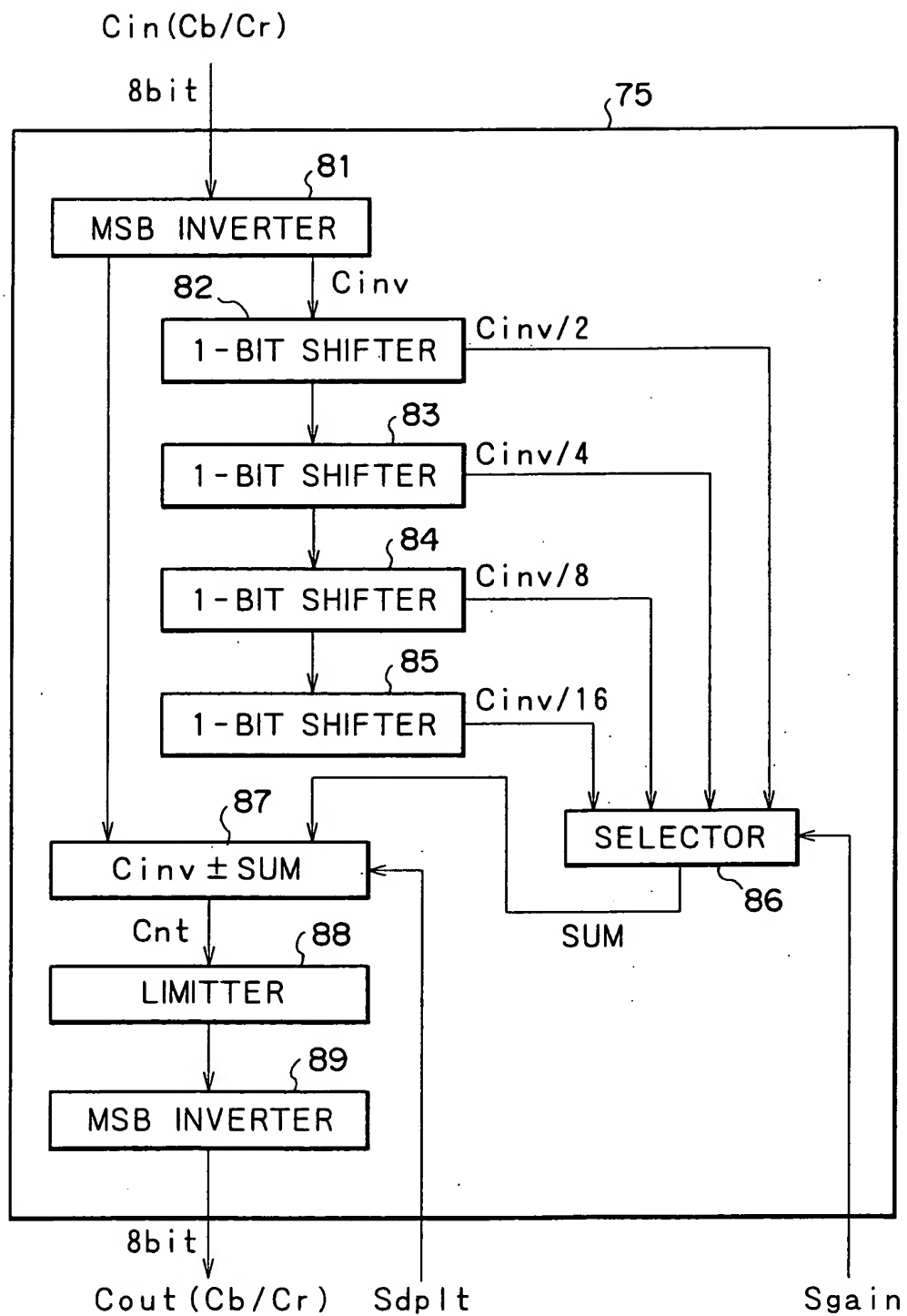


FIG. 14



# FIG. 15



# FIG. 16

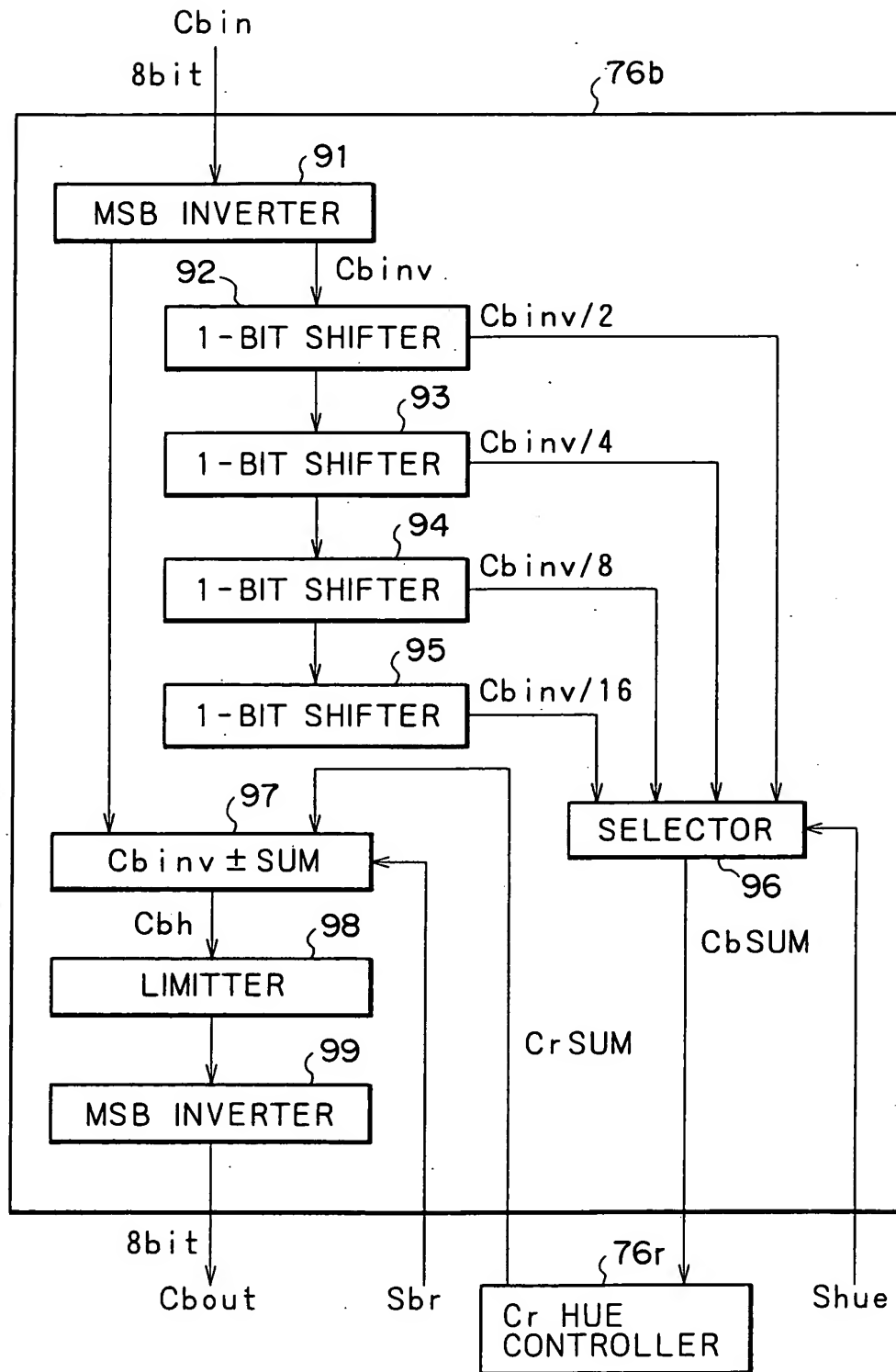


FIG. 16

# FIG.17

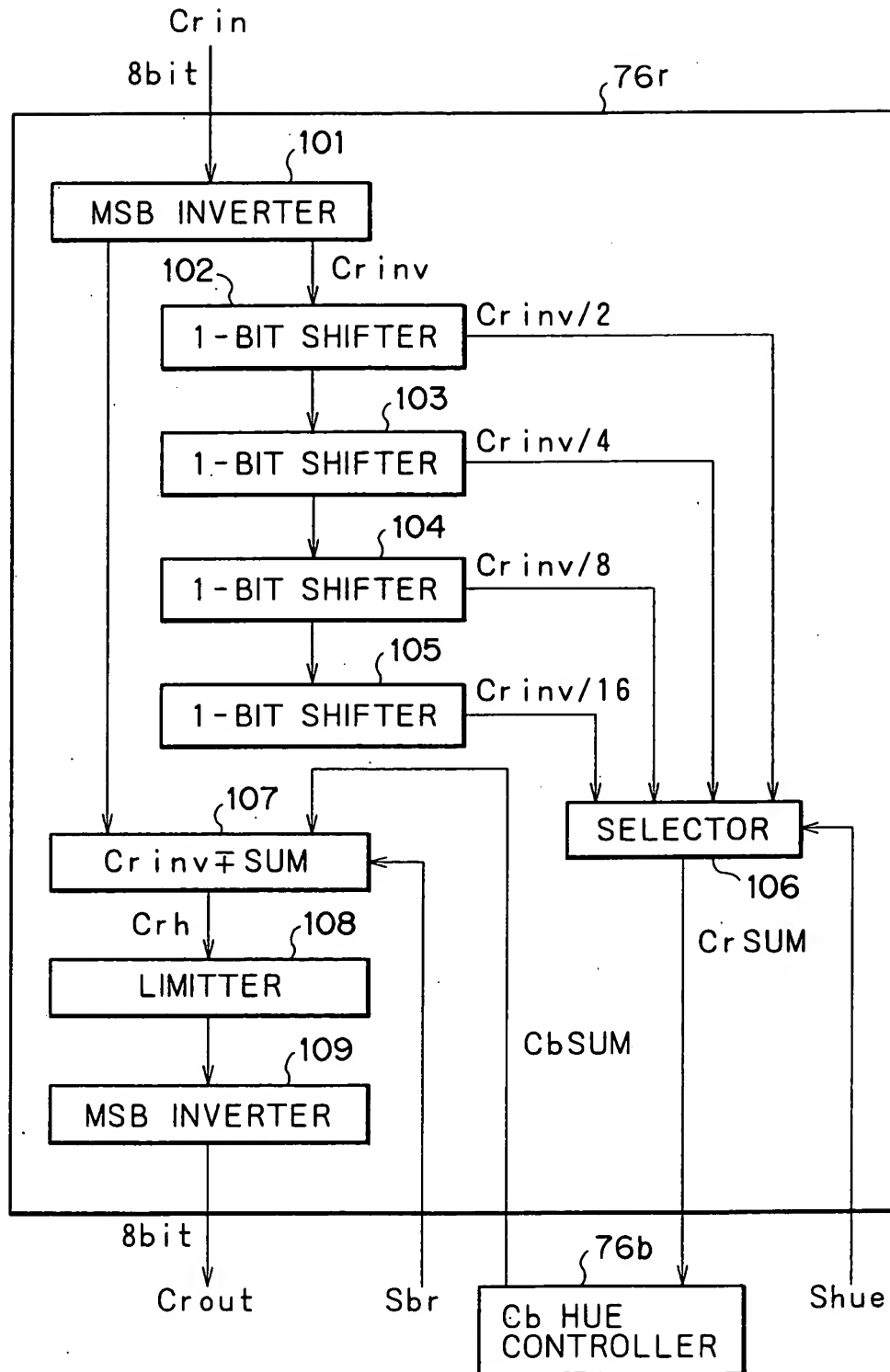
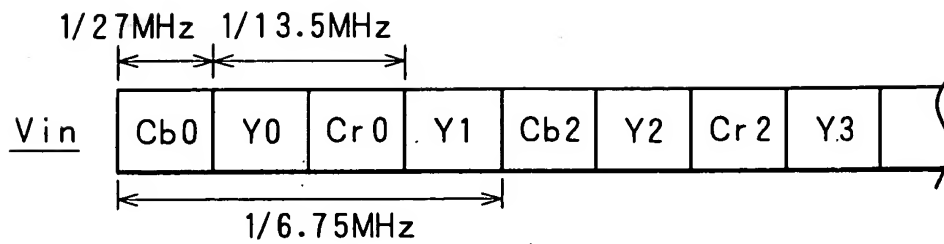


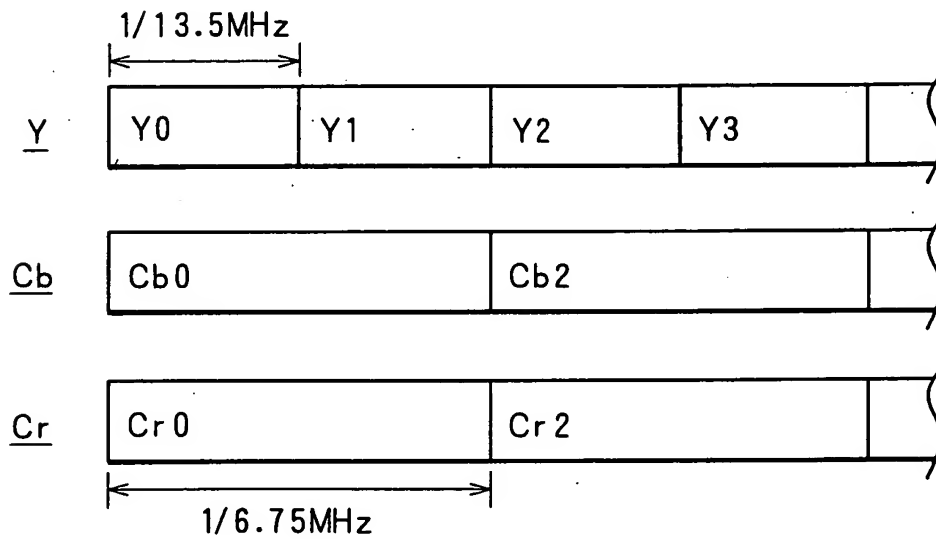
FIG. 17



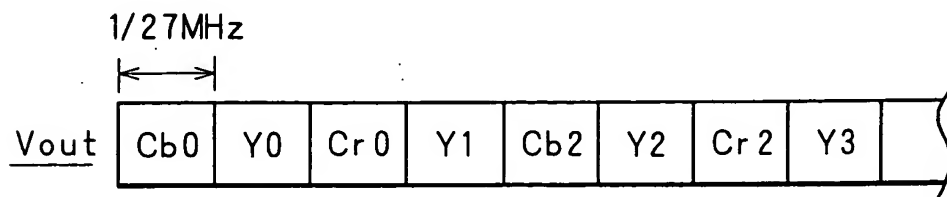
# FIG. 18A



# FIG. 18B



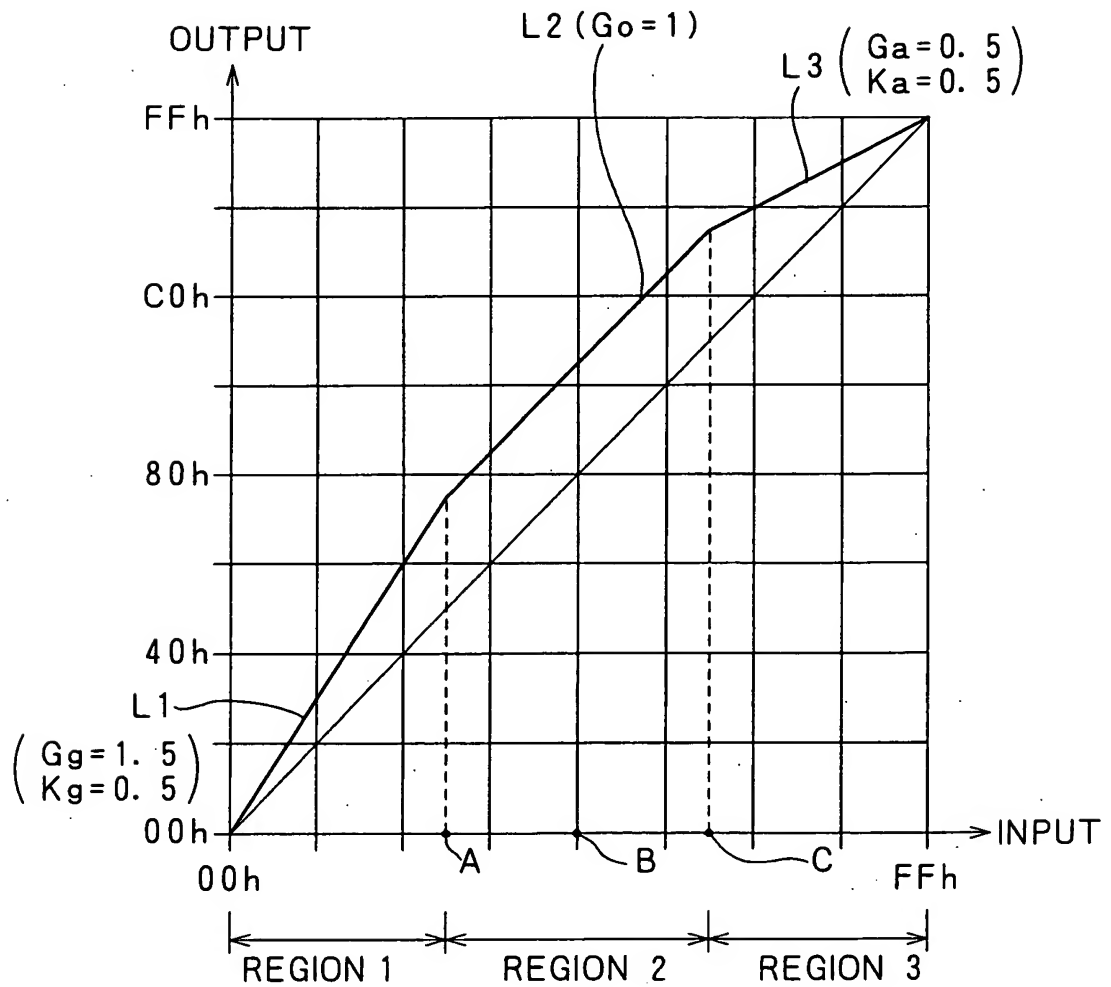
# FIG. 18C





# FIG. 20

TRAPEZOIDAL CHARACTERISTIC ( $G_g = 1 + K_g$ ,  $G_a = 1 - K_a$ )



# FIG. 21

S-SHAPED CHARACTERISTIC ( $G_g = 1 + K_g$ ,  $G_a = 1 - K_a$ )

